



**AUSTRALIAN BUREAU OF STATISTICS**

**QUEENSLAND**

# **THE LABOUR FORCE: REGIONAL ESTIMATES**

## **AUGUST 1987**

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**FINAL ISSUE**

**AUSTRALIAN BUREAU OF STATISTICS  
QUEENSLAND OFFICE**







## FINAL ISSUE

## THE LABOUR FORCE: REGIONAL ESTIMATES, QUEENSLAND, AUGUST 1987

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## Explanatory Notes

### Introduction

This publication contains regional estimates of the Queensland civilian labour force derived from the labour force survey part of the monthly population survey.

2. Background information on the dissemination of regional labour force statistics is provided in the Information Paper 'Release of Regional Labour Force Statistics' (Catalogue No. 6262.0).

3. Data for each region from October 1982 are available on request.

### The Population Survey

4. The survey is based on a multi-stage area sample of private dwellings and non-private dwellings (hotels, motels, etc.) and usually covers slightly more than two-thirds of 1 per cent of the population of Queensland. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during a period of 2 weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week).

### Scope

5. The labour force survey includes all persons aged 15 years and over except:

- (a) members of the permanent defence forces;
- (b) certain diplomatic personnel of overseas governments, customarily excluded from Census and estimated populations;
- (c) overseas visitors holidaying in Australia; and
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

### Definitions

6. The labour force category to which a person is assigned depends on the actual activity (i.e. whether working, looking for work, etc.) during the survey week. The following definitions, which conform closely to the international standard definitions specified by the International Labour Office (ILO), relate only to those persons within the scope of the survey.

7. Employed persons comprise all those aged 15 years and over who, during the survey week:

- (a) worked for 1 hour or more for pay, profit, commission, or payment in kind in a job or business, or on a farm (including employees, employers, and self-employed persons); or
- (b) worked for 1 hour or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- (c) were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than 4 weeks up to the end of the survey week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than 4 weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or
- (d) were employers, self-employed persons, or unpaid family helpers who had a job, business, or farm, but were not at work.

8. Unemployed persons are those aged 15 years and over who were not employed during the survey week, and:

- (a) had actively looked for full-time or part-time work at any time in the 4 weeks up to the end of the survey week and:
  - (i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than 4 weeks to the end of the survey week); or
  - (ii) were waiting to start a new job within 4 weeks from the end of the survey week and would have started in the survey week if the job had been available then; or
- (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than 4 weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.

9. Persons actively looking for work include those writing, telephoning, or applying in person to an employer for work; answering a newspaper advertisement for a job; checking factory or



## Explanatory Notes (continued)

### Definitions (continued)

#### Unemployed persons (continued)

Commonwealth Employment Service noticeboards; being registered with the Commonwealth Employment Service; checking or registering with any other employment agency; advertising or tendering for work; and contacting friends or relatives.

10. The unemployment rate for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

11. Duration of unemployment is the period from the time the person began looking for work or was laid off to the end of the survey week. Thus the survey measures current (and continuing) periods of unemployment rather than completed spells. For persons who may have begun looking for work while still employed, the duration of unemployment is defined as the period from the time the person last worked full-time for 2 weeks or more to the end of the survey week. Periods of unemployment are recorded in complete weeks and this results in a slight understatement of duration.

12. Median duration of unemployment is the duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other comprising persons whose duration is below it.

13. The labour force comprises all persons who, during the survey week, were employed or unemployed, as defined above.

14. The labour force participation rate for any group is the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group.

15. Persons not in the labour force are those who, during the survey week, were not in the categories employed or unemployed as defined. This category therefore includes persons who were keeping house (unpaid), attending an educational institution (e.g. school or university), retired or voluntarily inactive, permanently unable to work, inmates of institutions, trainee teachers, members of contemplative religious orders, and persons whose only activity during the survey week was jury service or unpaid voluntary work for a charitable organisation. Specific surveys of persons not in the labour force indicate that a number of persons want to work but are not classified as unemployed because they were not actively

looking for work or were not available to begin work in the survey week. Included in this group are the discouraged jobseekers and other persons marginally attached to the labour force.

16. Industry classification. Industry is classified according to the Australian Standard Industrial Classification (ASIC), 1983.

17. Occupation classification. Occupation is classified according to the Australian Standard Classification of Occupations (ASCO), 1986, which replaced the Classification and Classified List of Occupations (CCL0), Revised November 1980, used in the surveys prior to August 1986. Detailed information on ASCO can be found in the ABS publication 'ASCO Statistical Classification' (Catalogue No. 1220.0).

18. Regions. Labour force regions are based on statistical divisions or groupings of statistical divisions.

19. The Brisbane Statistical Division (B.S.D.) Region is divided into the Brisbane City (Inner Suburbs and Outer Suburbs) and Balance of B.S.D. Regions. The Moreton Region is the Moreton Statistical Division; the Wide Bay-Burnett/Darling Downs Region is the Wide Bay-Burnett and Darling Downs Statistical Divisions; and the Fitzroy/Mackay Region is the Fitzroy and Mackay Statistical Divisions.

20. The North and Western Queensland Region comprises the North-West, Far North, Northern, Central-West, and South-West Statistical Divisions and the North Queensland Region combines the Far North and Northern Statistical Divisions.

21. The Brisbane Statistical Division comprises the Cities of Brisbane, Ipswich, Logan, and Redcliffe, the Shire of Redland, and parts of the Shires of Albert, Beaudesert, Caboolture, Moreton, and Pine Rivers.

22. Maps delineating the regions are included on pages 5 and 6. A listing of Brisbane City suburbs is contained on page 7.

#### Population Benchmarks

23. Labour force survey estimates are calculated in such a way as to add to the independently estimated distribution of the population aged 15 years and over by age and sex. This procedure compensates for under-enumeration in the survey and leads to more reliable estimates. Since regular



## Explanatory Notes (continued)

### Population Benchmarks (continued)

estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.

24. As regional benchmarks are not used in the estimation procedures, regional estimates of the civilian population aged 15 years and over are not available. Although these figures can be derived by addition they should not be used as they cannot be regarded as being reliable.

### Reliability of the Estimates

25. As with other labour force survey estimates, regional estimates are subject to sampling error and non-sampling error. (See Technical Notes pages 21 to 23.) Since regional estimates for particular labour force characteristics are components of corresponding estimates at the State level, they are subject to higher relative standard errors. As noted above, the use of regional benchmarks in the estimation of regional estimates is not possible.

26. For these reasons, users should note that regional estimates may be more volatile than corresponding State estimates and thus their use should be restricted to that of providing snapshot information at a given point in time. They should not be regarded as reliable indicators of short-term (monthly) movements.

### Related Publications

27. Users may also wish to refer to the following publications which are available on request:

'Monthly Summary of Statistics' (1304.3) - Monthly

'Economic Indicators' (1307.3) - Monthly

313 Adelaide Street,  
BRISBANE 4000  
22 October 1987

'The Labour Force' (6201.3) - Quarterly  
Information Paper 'Questionnaires Used in  
the Labour Force Survey' (6232.0) -  
Latest issue: June 1986

Information Paper 'Release of Regional  
Labour Force Statistics' (6262.0) -  
Latest issue: April 1985

28. Current publications produced by the ABS are listed in the 'Catalogue of Publications' (Catalogue No. 1101.0) and those produced by the Queensland Office are listed in 'List of Publications' (Catalogue No. 1101.3). A 'Publications Advice' (Catalogue No. 1105.0) is issued on Tuesdays and Fridays which lists publications to be released in the next few days. These publications are available from any ABS Office.

### Unpublished Statistics

29. The ABS can also make available certain regional labour force statistics which are not published. Where it is not practicable to provide the required statistics by telephone, they may be available in other forms, such as microfiche, photocopy, computer printout, or clerically extracted tabulation. A charge may be made for providing unpublished statistics in these forms.

30. For further information on these unpublished statistics contact Bevin Morris by telephoning Brisbane (07) 222 6029, or write to Information Services at the address above.

### Symbols and Other Usages

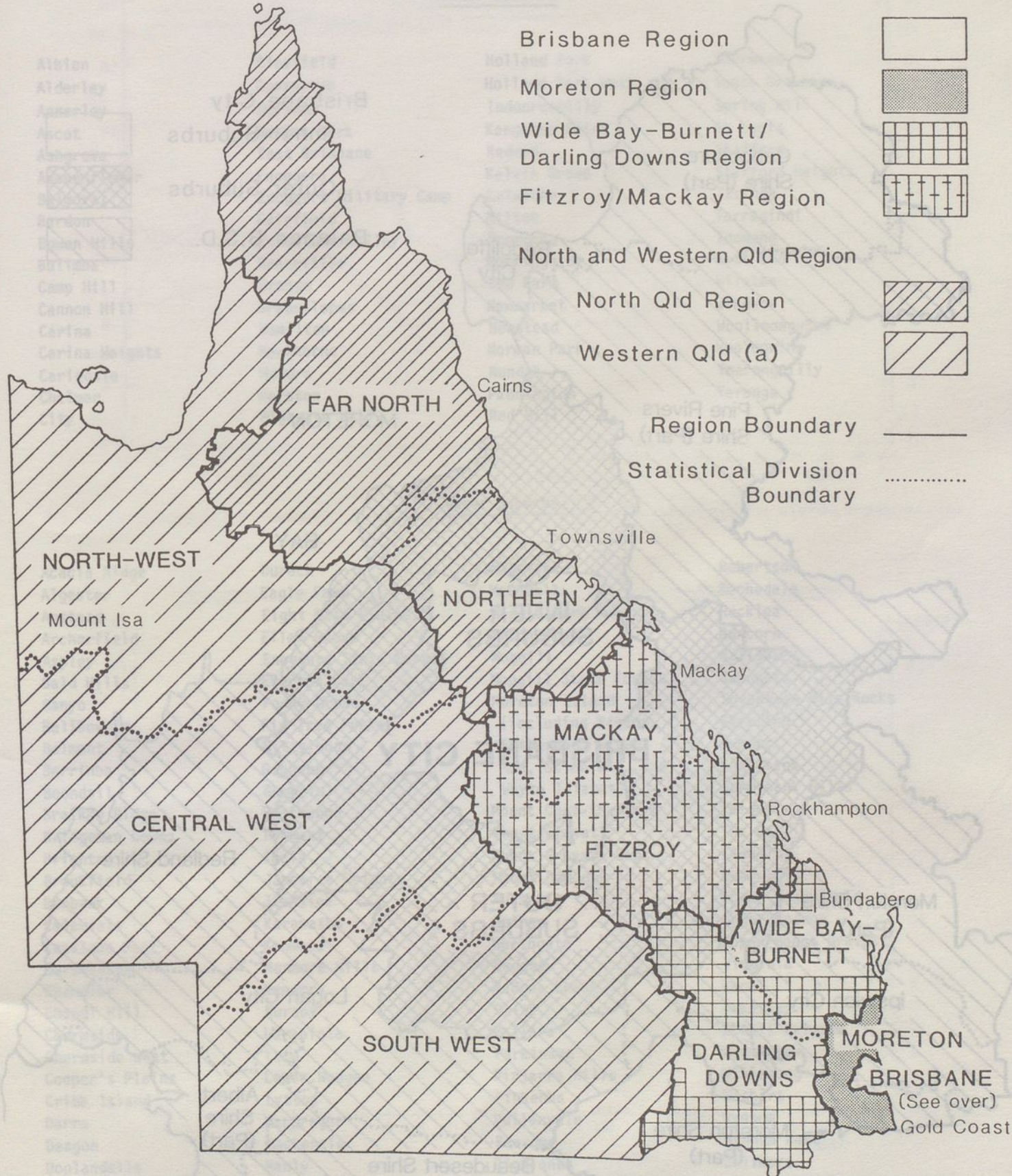
- .. Not applicable.
- \* Subject to sampling variability too high for most practical uses. (See Technical Notes, pages 21 to 23, regarding reliability of the estimates.)

31. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

D. N. ALLEN  
DEPUTY COMMONWEALTH STATISTICIAN



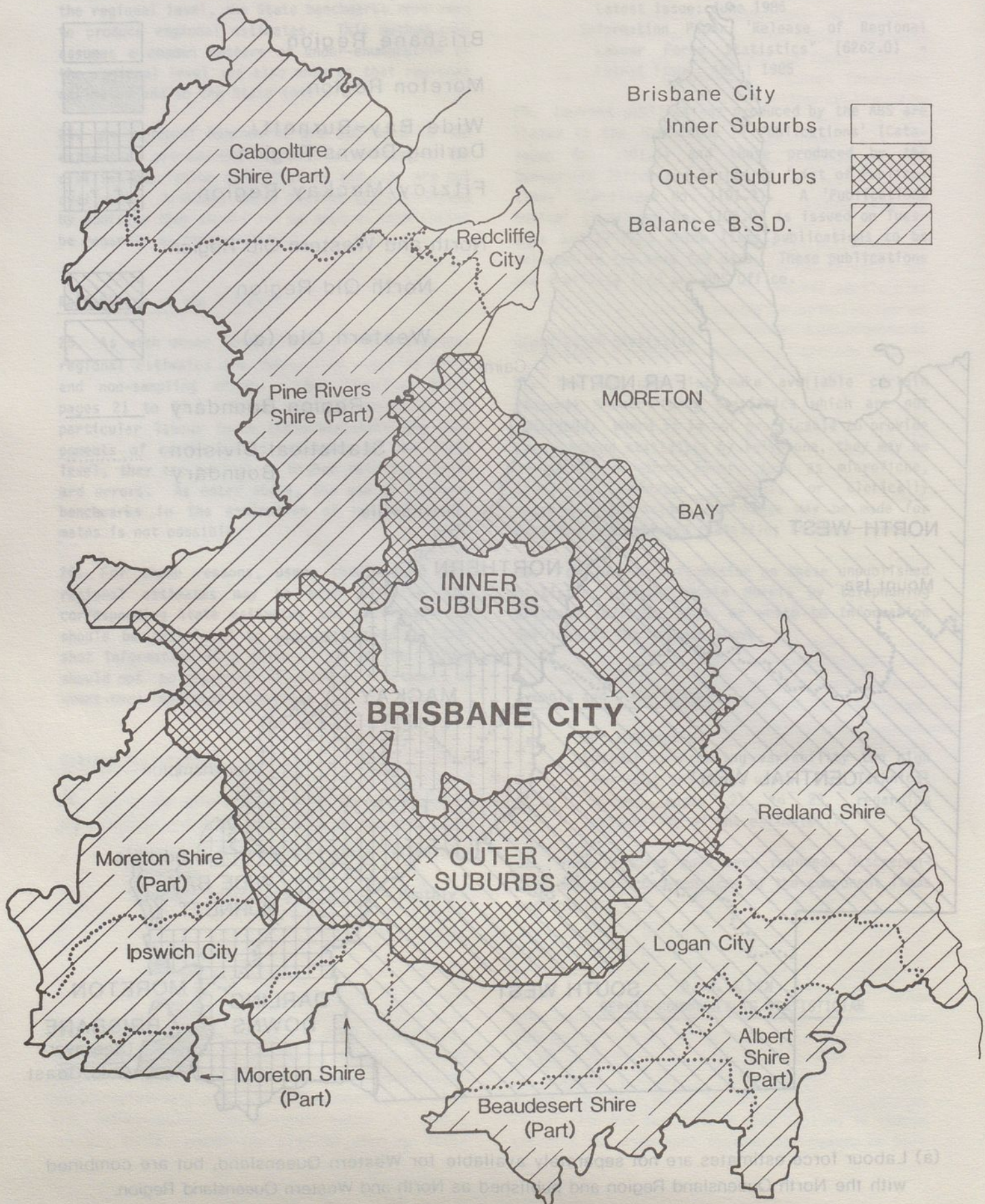
# LABOUR FORCE REGIONS, QUEENSLAND



(a) Labour force estimates are not separately available for Western Queensland, but are combined with the North Queensland Region and published as North and Western Queensland Region.



# LABOUR FORCE REGIONS, BRISBANE STATISTICAL DIVISION





## Brisbane City Suburbs for Labour Force Survey Regions

Inner Suburbs

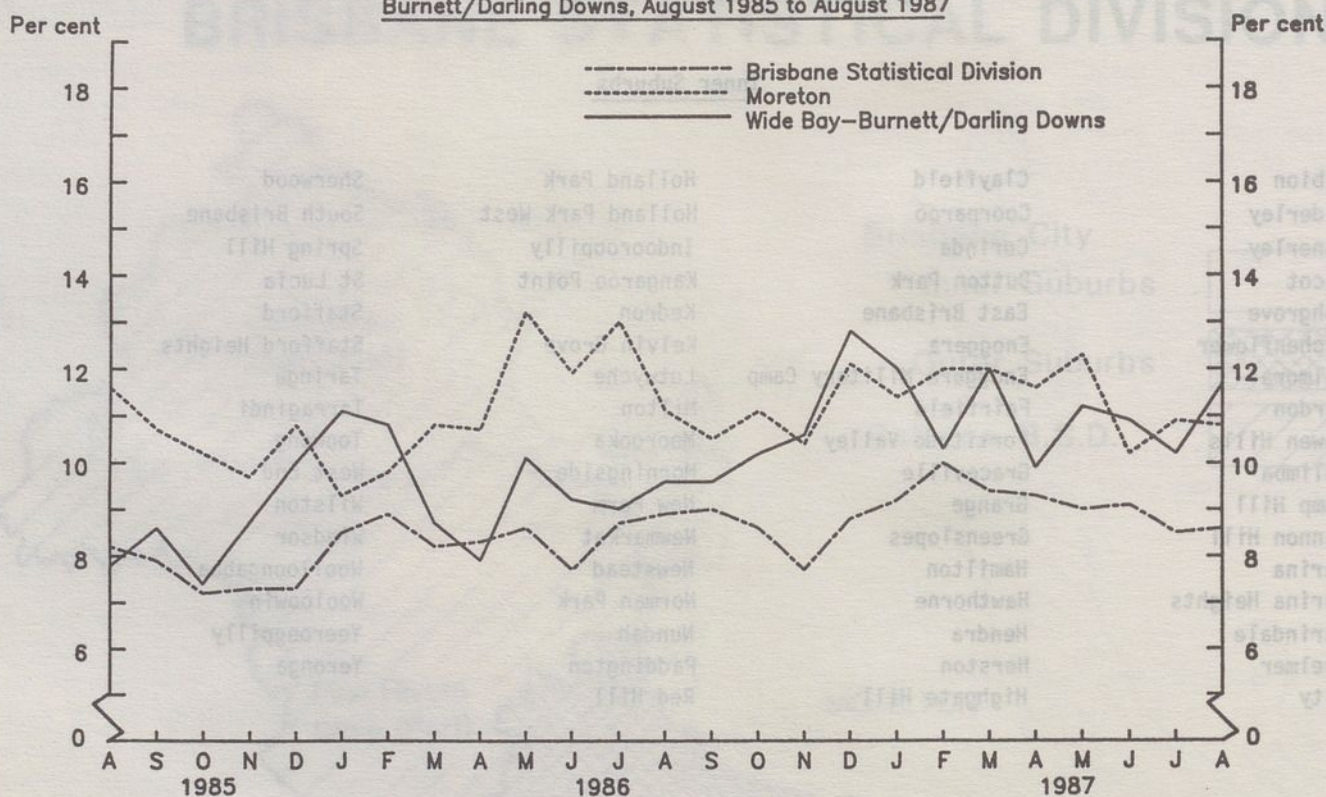
Albion	Clayfield	Holland Park	Sherwood
Alderley	Coorparoo	Holland Park West	South Brisbane
Annerley	Corinda	Indooroopilly	Spring Hill
Ascot	Dutton Park	Kangaroo Point	St Lucia
Ashgrove	East Brisbane	Kedron	Stafford
Auchenflower	Enoggera	Kelvin Grove	Stafford Heights
Balmoral	Enoggera Military Camp	Lutwyche	Taringa
Bardon	Fairfield	Milton	Tarragindi
Bowen Hills	Fortitude Valley	Moorooka	Toowong
Bulimba	Graceville	Morningside	West End
Camp Hill	Grange	New Farm	Wilston
Cannon Hill	Greenslopes	Newmarket	Windsor
Carina	Hamilton	Newstead	Woolloongabba
Carina Heights	Hawthorne	Norman Park	Woolloowin
Carindale	Hendra	Nundah	Yeerongpilly
Chelmer	Herston	Paddington	Yeronga
City	Highgate Hill	Red Hill	

Outer Suburbs

Acacia Ridge	Durack	Mansfield	Robertson
Algester	Eagle Farm	McDowall	Rochedale
Anstead	Eight Mile Plains	Middle Park	Rocklea
Archerfield	Ellen Grove	Mitchelton	Runcorn
Aspley	Enoggera State Forest	Moggill	Salisbury
Bald Hills	Everton Park	Moggill State Forest	Sandgate
Banyo	Ferny Grove	Moreton Island	Seventeen Mile Rocks
Bellbowrie	Fig Tree Pocket	(including Bishop, Fisherman, Green, Mud, St Helena, and Whyte Islands)	Stretton
Belmont	Fitzgibbon		Sumner
Berrinba	Geebung		Sunnybank
Boondall	Gumdale		Sunnybank Hills
Bracken Ridge	Heathwood	Mount Coot-tha Park	Taigum
Bridgeman Downs	Hemmant	Mount Gravatt	The Gap
Brighton	Inala	Mount Gravatt East	Tingalpa
Brookfield	Jamboree Heights	Mount Ommaney	Underwood
Burbank	Jindalee	Murarrie	Upper Brookfield
Calamvale	Karawatha	Nathan	Upper Kedron
Capalaba West	Kenmore	Northgate	Upper Mount Gravatt
Carseldine	Kenmore Hills	Nudgee	Virginia
Chandler	Keperra	Nudgee Beach	Wacol
Chapel Hill	Kuraby	Oxley	Wakerley
Chermside	Larapinta	Pallara	Wavell Heights
Chermside West	Lota	Parkinson	Westlake
Cooper's Plains	Lower Nudgee	Pinjarra Hills	Willawong
Cribb Island	Lytton	Pinkenba	Wishart
Darra	MacGregor	Pullenvale	Wynnum
Deagon	Mackenzie	Ransome	Wynnum West
Doolandella	Manly	Richlands	Zillmere
Drewvale	Manly West	Riverhills	

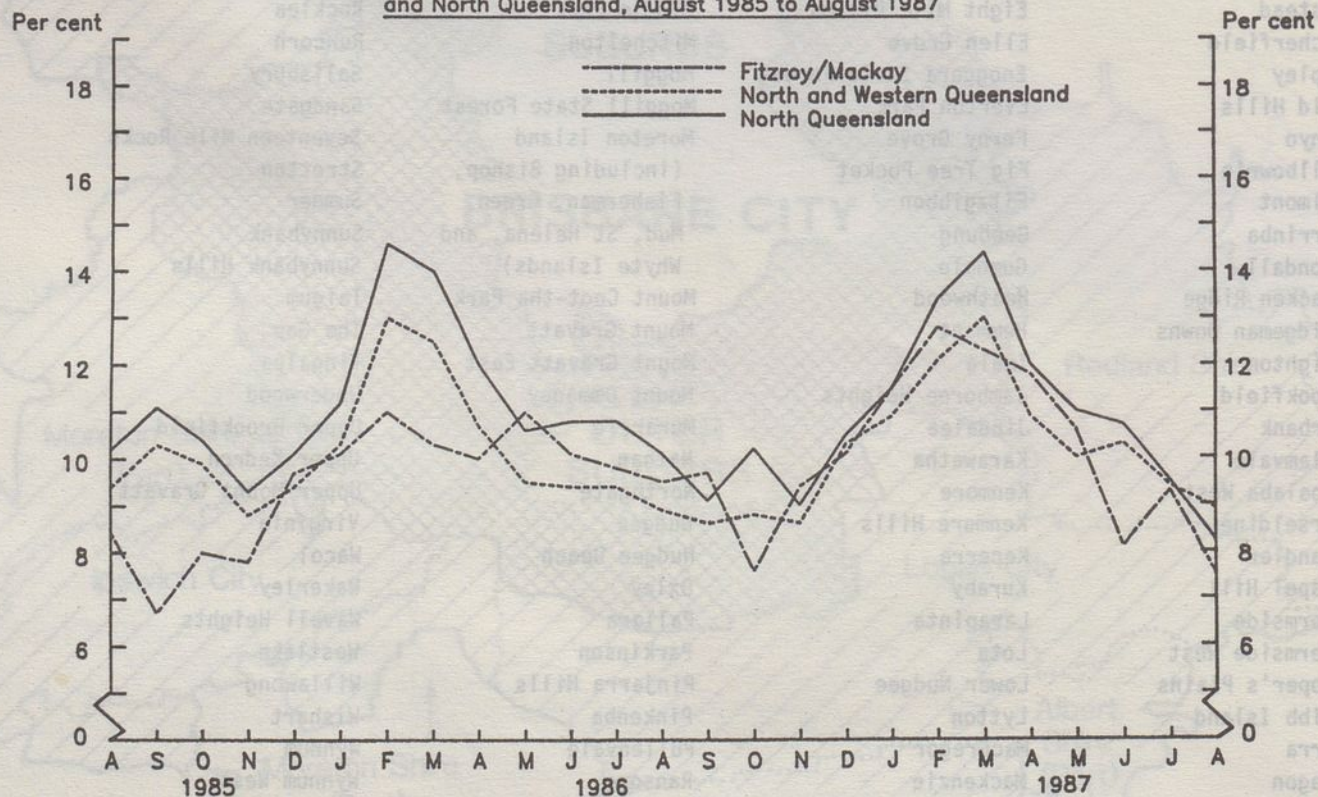


**Diagram 1 - Unemployment Rates (a) in Brisbane Statistical Division, Moreton, and Wide Bay-Burnett/Darling Downs, August 1985 to August 1987**



(a) Unemployed persons as a percentage of the labour force.

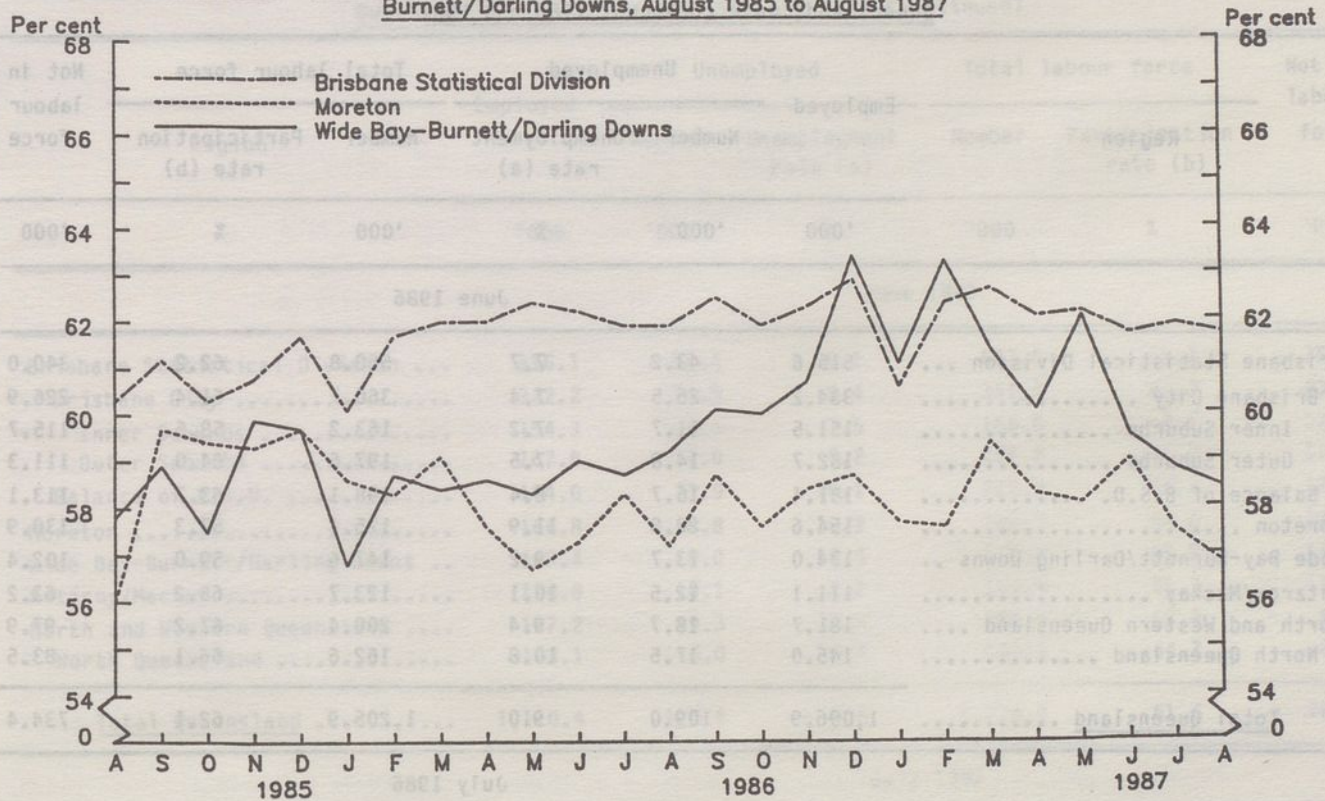
**Diagram 2 - Unemployment Rates (a) in Fitzroy/Mackay, North and Western Queensland, and North Queensland, August 1985 to August 1987**



(a) Unemployed persons as a percentage of the labour force.

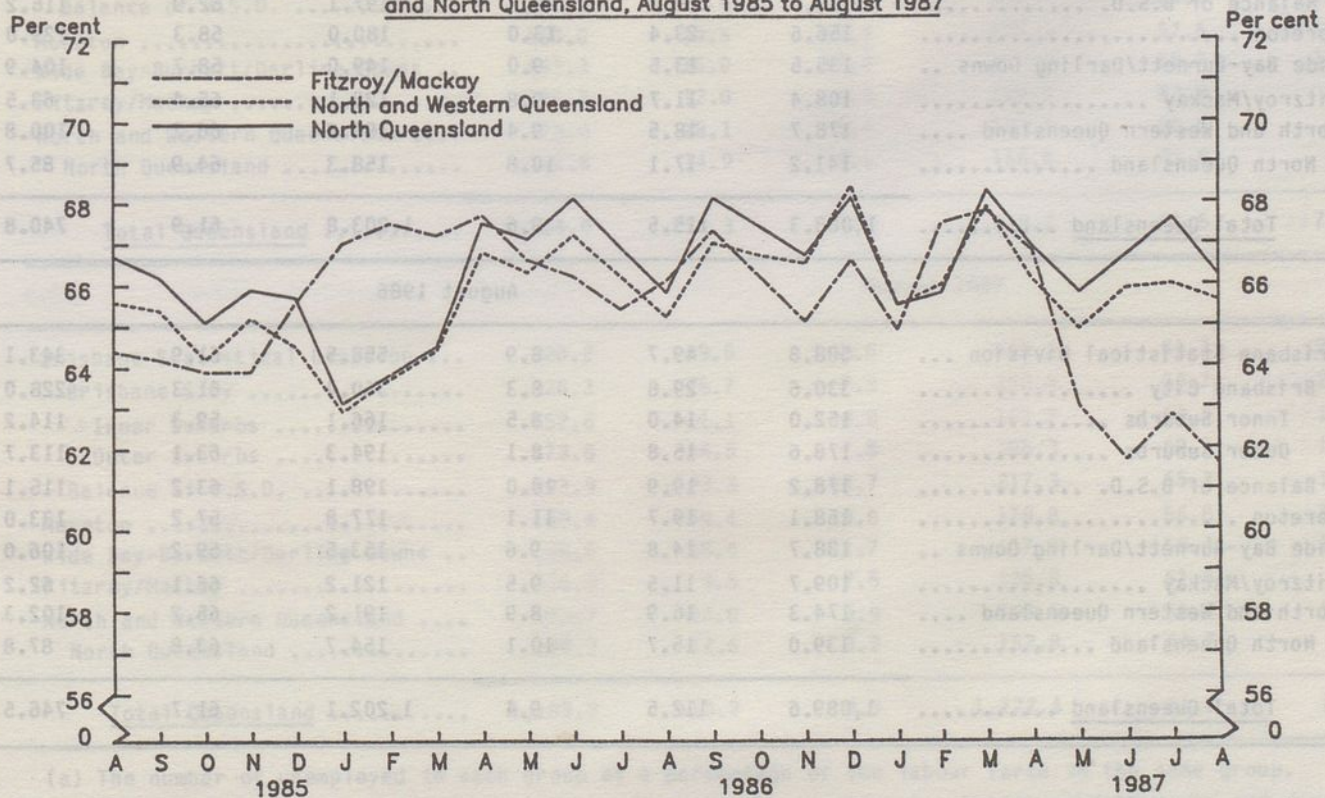


Diagram 3 - Participation Rates (a) in Brisbane Statistical Division, Moreton, and Wide Bay-Burnett/Darling Downs, August 1985 to August 1987



(a) The labour force as a percentage of the civilian population aged 15 years and over.

Diagram 4 - Participation Rates (a) in Fitzroy/Mackay, North and Western Queensland and North Queensland, August 1985 to August 1987



(a) The labour force as a percentage of the civilian population aged 15 years and over.



Table 1 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions, Queensland, June to August 1986 and 1987

Region	Employed	Unemployed		Total labour force		Not in labour force
		Number	Unemployment rate (a)	Number	Participation rate (b)	
		'000	%	'000	%	
June 1986						
Brisbane Statistical Division ...	515.6	43.2	7.7	558.8	62.2	340.0
Brisbane City .....	334.2	26.5	7.4	360.7	61.4	226.9
Inner Suburbs .....	151.5	11.7	7.2	163.2	58.5	115.7
Outer Suburbs .....	182.7	14.8	7.5	197.6	64.0	111.3
Balance of B.S.D. ....	181.4	16.7	8.4	198.1	63.7	113.1
Moreton .....	154.6	20.8	11.9	175.4	57.3	130.9
Wide Bay-Burnett/Darling Downs ..	134.0	13.7	9.2	147.6	59.0	102.4
Fitzroy/Mackay .....	111.1	12.5	10.1	123.7	66.2	63.2
North and Western Queensland ....	181.7	18.7	9.4	200.4	67.2	97.9
North Queensland .....	145.0	17.5	10.8	162.6	66.1	83.5
<u>Total Queensland</u> .....	1,096.9	109.0	9.0	1,205.9	62.1	734.4
July 1986						
Brisbane Statistical Division ...	509.2	48.4	8.7	557.6	61.9	342.7
Brisbane City .....	331.2	29.3	8.1	360.5	61.4	226.5
Inner Suburbs .....	151.3	13.3	8.1	164.6	59.0	114.2
Outer Suburbs .....	179.9	16.0	8.2	195.9	63.6	112.3
Balance of B.S.D. ....	178.0	19.1	9.7	197.1	62.9	116.2
Moreton .....	156.6	23.4	13.0	180.0	58.3	129.0
Wide Bay-Burnett/Darling Downs ..	135.5	13.5	9.0	149.0	58.7	104.9
Fitzroy/Mackay .....	108.4	11.7	9.8	120.1	65.4	63.5
North and Western Queensland ....	178.7	18.5	9.4	197.2	66.2	100.8
North Queensland .....	141.2	17.1	10.8	158.3	64.9	85.7
<u>Total Queensland</u> .....	1,088.3	115.5	9.6	1,203.8	61.9	740.8
August 1986						
Brisbane Statistical Division ...	508.8	49.7	8.9	558.5	61.9	343.1
Brisbane City .....	330.6	29.8	8.3	360.4	61.3	228.0
Inner Suburbs .....	152.0	14.0	8.5	166.1	59.3	114.2
Outer Suburbs .....	178.6	15.8	8.1	194.3	63.1	113.7
Balance of B.S.D. ....	178.2	19.9	10.0	198.1	63.2	115.1
Moreton .....	158.1	19.7	11.1	177.8	57.2	133.0
Wide Bay-Burnett/Darling Downs ..	138.7	14.8	9.6	153.5	59.2	106.0
Fitzroy/Mackay .....	109.7	11.5	9.5	121.2	66.1	62.2
North and Western Queensland ....	174.3	16.9	8.9	191.2	65.2	102.3
North Queensland .....	139.0	15.7	10.1	154.7	63.8	87.8
<u>Total Queensland</u> .....	1,089.6	112.5	9.4	1,202.1	61.7	746.5

(a) The labour force as a percentage of the civilian population aged 15 years and over and (b) the unemployment rate as a percentage of the labour force



Table 1 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions, Queensland, June to August 1986 and 1987 (continued)

Region	Employed		Unemployed		Total labour force		Not in labour force
	Number	Unemployment rate (a)	Number	Participation rate (b)	Number	Participation rate (b)	
	'000	'000	%	'000	%	'000	
June 1987							
Brisbane Statistical Division ...	516.1	51.4	9.1	567.5	61.7	352.6	
Brisbane City .....	322.2	29.5	8.4	351.6	60.2	232.4	
Inner Suburbs .....	154.3	12.5	7.5	166.8	59.1	115.4	
Outer Suburbs .....	167.8	17.0	9.2	184.8	61.2	117.0	
Balance of B.S.D. ....	194.0	21.9	10.1	215.9	64.2	120.2	
Moreton .....	164.8	18.8	10.2	183.7	59.0	127.6	
Wide Bay-Burnett/Darling Downs ..	147.4	18.0	10.9	165.4	59.5	112.5	
Fitzroy/Mackay .....	114.8	10.1	8.1	124.9	61.7	77.4	
North and Western Queensland ....	167.2	19.3	10.3	186.5	65.9	96.7	
North Queensland .....	133.1	16.0	10.7	149.1	64.7	81.5	
<b>Total Queensland .....</b>	<b>1,110.4</b>	<b>117.6</b>	<b>9.6</b>	<b>1,228.0</b>	<b>61.6</b>	<b>766.8</b>	
July 1987							
Brisbane Statistical Division ...	521.8	48.7	8.5	570.6	61.9	350.7	
Brisbane City .....	326.8	26.2	7.4	353.0	60.2	233.7	
Inner Suburbs .....	156.3	10.7	6.4	166.9	59.1	115.8	
Outer Suburbs .....	170.6	15.5	8.3	186.1	61.2	118.0	
Balance of B.S.D. ....	195.0	22.6	10.4	217.6	65.0	117.0	
Moreton .....	160.0	19.5	10.9	179.5	57.5	132.6	
Wide Bay-Burnett/Darling Downs ..	141.3	16.0	10.2	157.2	58.8	110.3	
Fitzroy/Mackay .....	116.8	12.0	9.3	128.8	62.8	76.3	
North and Western Queensland ....	175.0	18.1	9.4	193.1	66.0	99.6	
North Queensland .....	141.8	14.9	9.5	156.6	65.6	82.3	
<b>Total Queensland .....</b>	<b>1,114.9</b>	<b>114.3</b>	<b>9.3</b>	<b>1,229.2</b>	<b>61.5</b>	<b>769.4</b>	
August 1987							
Brisbane Statistical Division ...	520.2	49.0	8.6	569.3	61.7	353.3	
Brisbane City .....	326.3	25.7	7.3	352.0	59.7	237.7	
Inner Suburbs .....	152.6	11.1	6.8	163.7	58.3	116.9	
Outer Suburbs .....	173.6	14.6	7.8	188.3	60.9	120.8	
Balance of B.S.D. ....	193.9	23.3	10.7	217.3	65.3	115.6	
Moreton .....	160.4	19.4	10.8	179.8	56.8	136.7	
Wide Bay-Burnett/Darling Downs ..	138.6	18.4	11.7	157.0	58.4	111.8	
Fitzroy/Mackay .....	116.3	9.5	7.5	125.8	61.6	78.4	
North and Western Queensland ....	173.7	17.0	8.9	190.6	65.6	100.0	
North Queensland .....	140.2	12.6	8.2	152.8	64.2	85.2	
<b>Total Queensland .....</b>	<b>1,109.2</b>	<b>113.2</b>	<b>9.3</b>	<b>1,222.4</b>	<b>61.0</b>	<b>780.1</b>	

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, June 1987 to August 1987

	Employed			Unemployed		Total labour force		Not in labour force
	Particulars	Number	Rate (a)	Number	Rate (a)	Number	Participation rate (b)	
		'000	'000	%		'000	%	'000
Brisbane Statistical Division								
June 1987								
Males .....		305.8	28.8	8.6		334.6	75.1	110.7
Females .....		210.3	22.6	9.7		233.0	49.1	241.9
Persons .....		516.1	51.4	9.1		567.5	61.7	352.6
July 1987								
Males .....		309.5	29.1	8.6		338.5	75.9	107.3
Females .....		212.4	19.7	8.5		232.1	48.8	243.4
Persons .....		521.8	48.7	8.5		570.6	61.9	350.7
August 1987								
Males .....		310.8	28.5	8.4		339.4	76.0	107.0
Females .....		209.4	20.5	8.9		229.9	48.3	246.3
Persons .....		520.2	49.0	8.6		569.3	61.7	353.3
Age group								
15-24 years .....		121.4	24.6	16.8		146.0	71.1	59.3
15-19 years .....		50.5	13.9	21.6		64.4	59.5	43.9
20-24 years .....		71.0	10.6	13.0		81.6	84.1	15.5
25-44 years .....		271.4	17.9	6.2		289.3	78.2	80.7
45 years and over .....		127.4	6.6	4.9		133.9	38.6	213.3
Average for 3 months ended								
August 1986 .....		511.2	47.1	8.4		558.3	62.0	341.9
August 1987 .....		519.4	49.7	8.7		569.1	61.8	352.2
Brisbane City								
June 1987								
Males .....		188.8	17.5	8.5		206.3	72.9	76.5
Females .....		133.4	12.0	8.2		145.4	48.3	155.9
Persons .....		322.2	29.5	8.4		351.6	60.2	232.4
July 1987								
Males .....		192.5	16.2	7.8		208.6	73.7	74.6
Females .....		134.4	10.0	6.9		144.4	47.6	159.1
Persons .....		326.8	26.2	7.4		353.0	60.2	233.7
August 1987								
Males .....		192.7	16.3	7.8		209.0	73.5	75.4
Females .....		133.6	9.3	6.5		142.9	46.8	162.3
Persons .....		326.3	25.7	7.3		352.0	59.7	237.7
Age group								
15-24 years .....		77.4	13.2	14.6		90.7	69.9	39.0
15-19 years .....		29.0	7.6	20.7		36.6	56.3	28.4
20-24 years .....		48.4	5.6	10.4		54.1	83.5	10.6
25-44 years .....		157.8	9.4	5.6		167.2	79.6	42.9
45 years and over .....		91.1	3.0	3.2		94.1	37.7	155.8
Average for 3 months ended								
August 1986 .....		332.0	28.5	7.9		360.5	61.4	227.1
August 1987 .....		325.1	27.1	7.7		352.2	60.0	234.6





### QUEENSLAND LABOUR FORCE PUBLICATIONS

#### Catalogue Numbers 6201.3 and 6204.3

The August 1987 edition of the publication 'The Labour Force: Regional Estimates' (Catalogue No. 6204.3) is the final release of the series. Regional data will not be published for September to November 1987 while the new population sample is being introduced. Information about the introduction of the new sample is contained in the Information Paper 'Labour Force Survey - Sample Design' (Catalogue No. 6269.0).

Key State monthly labour force series data, including original, seasonally adjusted, and trend series are available in the national publications Catalogue Nos 6202.0 and 6203.0 and represent the earliest releases of monthly labour force data. These publications will be priced, as from 1 January 1988, at approximately \$5.00 and \$7.50, respectively.

In addition, the publication 'The Labour Force' (Catalogue No. 6201.3) (quarterly) will be expanded from the February 1988 edition, to include some of the tables currently contained in 6204.3. The expanded publication will be priced at approximately \$7.50.

Advice as to which tables from publications 6201.3 and 6204.3 could most usefully be incorporated into the revised quarterly publication would be most welcome and should be provided to Jan Thompson on (07) 222 6044 by the end of November 1987.

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Deputy Commonwealth Statistician  
313 Adelaide Street  
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Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, June 1987 to August 1987 (continued)

Particulars	Employed	Unemployed		Total labour force		Not in labour force
		Number	Unemployment rate (a)	Number	Participation rate (b)	
	'000	'000	%	'000	%	'000
Inner Suburbs						
June 1987						
Males .....	90.4	7.9	8.0	98.4	70.5	41.1
Females .....	63.9	4.6	6.7	68.5	48.0	74.3
Persons .....	154.3	12.5	7.5	166.8	59.1	115.4
July 1987						
Males .....	92.9	7.1	7.1	99.9	71.8	39.2
Females .....	63.4	3.6	5.4	67.0	46.7	76.6
Persons .....	156.3	10.7	6.4	166.9	59.1	115.8
August 1987						
Males .....	90.2	6.9	7.1	97.0	70.4	40.8
Females .....	62.5	4.2	6.3	66.7	46.7	76.1
Persons .....	152.6	11.1	6.8	163.7	58.3	116.9
Age group						
15-24 years .....	33.3	5.2	13.6	38.5	70.8	15.9
15-19 years .....	8.8	2.8	24.3	11.7	54.1	9.9
20-24 years .....	24.4	*	*	26.8	81.8	6.0
25-44 years .....	76.9	4.6	5.6	81.5	81.6	18.4
45 years and over .....	42.4	*	*	43.6	34.6	82.6
Average for 3 months ended						
August 1986 .....	151.6	13.0	7.9	164.6	58.9	114.7
August 1987 .....	154.4	11.4	6.9	165.8	58.8	116.0
Outer Suburbs						
June 1987						
Males .....	98.3	9.6	8.9	107.9	75.3	35.4
Females .....	69.5	7.4	9.6	76.9	48.5	81.6
Persons .....	167.8	17.0	9.2	184.8	61.2	117.0
July 1987						
Males .....	99.6	9.1	8.4	108.7	75.4	35.4
Females .....	70.9	6.4	8.3	77.3	48.4	82.5
Persons .....	170.6	15.5	8.3	186.1	61.2	118.0
August 1987						
Males .....	102.5	9.5	8.4	112.0	76.4	34.6
Females .....	71.1	5.2	6.8	76.3	46.9	86.2
Persons .....	173.6	14.6	7.8	188.3	60.9	120.8
Age group						
15-24 years .....	44.2	8.0	15.3	52.1	69.3	23.1
15-19 years .....	20.2	4.7	19.0	24.9	57.5	18.4
20-24 years .....	24.0	3.2	11.9	27.2	85.4	4.7
25-44 years .....	80.8	4.8	5.6	85.7	77.8	24.5
45 years and over .....	48.7	*	*	50.5	40.8	73.2
Average for 3 months ended						
August 1986 .....	180.4	15.5	7.9	195.9	63.5	112.4
August 1987 .....	170.7	15.7	8.4	186.4	61.1	118.6



Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, June 1987 to August 1987 (continued)

Particulars	Employed		Unemployed		Total labour force		Not in labour force
	Number	Unemployment rate (a)	Number	Participation rate (b)	Number	Participation rate (b)	
	'000	'000	%	'000	%	'000	
Balance of Brisbane Statistical Division							
June 1987							
Males .....	117.0	11.3	8.8	128.3	79.0	34.2	
Females .....	76.9	10.6	12.2	87.6	50.5	86.0	
Persons .....	194.0	21.9	10.1	215.9	64.2	120.2	
July 1987							
Males .....	117.0	12.9	9.9	129.9	79.9	32.6	
Females .....	78.0	9.7	11.0	87.7	51.0	84.4	
Persons .....	195.0	22.6	10.4	217.6	65.0	117.0	
August 1987							
Males .....	118.1	12.2	9.4	130.3	80.5	31.7	
Females .....	75.8	11.1	12.8	87.0	50.9	84.0	
Persons .....	193.9	23.3	10.7	217.3	65.3	115.6	
Age group							
15-24 years .....	44.0	11.4	20.5	55.4	73.1	20.3	
15-19 years .....	21.5	6.3	22.8	27.8	64.2	15.5	
20-24 years .....	22.5	5.0	18.2	27.5	85.1	4.8	
25-44 years .....	113.7	8.5	6.9	122.1	76.4	37.8	
45 years and over .....	36.3	3.5	8.9	39.8	40.9	57.5	
Average for 3 months ended							
August 1986 .....	179.2	18.6	9.4	197.8	63.3	114.8	
August 1987 .....	194.3	22.6	10.4	216.9	64.8	117.6	
Moreton							
June 1987							
Males .....	100.6	10.9	9.7	111.5	70.6	46.4	
Females .....	64.2	8.0	11.0	72.2	47.1	81.2	
Persons .....	164.8	18.8	10.2	183.7	59.0	127.6	
July 1987							
Males .....	97.1	12.3	11.3	109.4	69.7	47.6	
Females .....	62.9	7.2	10.2	70.1	45.2	85.0	
Persons .....	160.0	19.5	10.9	179.5	57.5	132.6	
August 1987							
Males .....	96.2	11.0	10.3	107.2	67.2	52.3	
Females .....	64.2	8.4	11.5	72.6	46.2	84.4	
Persons .....	160.4	19.4	10.8	179.8	56.8	136.7	
Age group							
15-24 years .....	39.3	6.7	14.6	46.0	70.7	19.1	
15-19 years .....	17.4	3.5	16.7	20.9	63.5	12.0	
20-24 years .....	21.9	3.2	12.8	25.1	78.1	7.1	
25-44 years .....	84.2	9.3	9.9	93.5	78.8	25.1	
45 years and over .....	36.9	3.4	8.5	40.3	30.3	92.5	
Average for 3 months ended							
August 1986 .....	156.4	21.3	12.0	177.7	57.6	131.0	
August 1987 .....	161.7	19.2	10.6	181.0	57.8	132.3	



Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, June 1987 to August 1987 (continued)

Particulars	Employed	Unemployed		Total labour force		Not in labour force
		Number	Unemployment rate (a)	Number	Participation rate (b)	
	'000	'000	%	'000	%	'000
Wide Bay-Burnett/Darling Downs						
June 1987						
Males .....	91.2	11.4	11.1	102.6	75.1	34.0
Females .....	56.2	6.6	10.4	62.8	44.4	78.5
Persons .....	147.4	18.0	10.9	165.4	59.5	112.5
July 1987						
Males .....	91.7	9.2	9.1	100.9	75.8	32.2
Females .....	49.6	6.8	12.1	56.4	41.9	78.1
Persons .....	141.3	16.0	10.2	157.2	58.8	110.3
August 1987						
Males .....	86.8	11.7	11.8	98.5	74.0	34.5
Females .....	51.8	6.7	11.5	58.5	43.1	77.2
Persons .....	138.6	18.4	11.7	157.0	58.4	111.8
Age group						
15-24 years .....	31.4	9.8	23.8	41.2	70.3	17.5
15-19 years .....	14.0	6.2	30.8	20.2	60.6	13.1
20-24 years .....	17.5	3.6	17.1	21.1	82.8	4.4
25-44 years .....	67.9	7.2	9.6	75.1	74.6	25.5
45 years and over .....	39.3	*	*	40.7	37.2	68.8
Average for 3 months ended						
August 1986 .....	136.1	14.0	9.3	150.0	59.0	104.4
August 1987 .....	142.4	17.5	10.9	159.9	58.9	111.5
Fitzroy/Mackay						
June 1987						
Males .....	73.6	6.5	8.1	80.1	80.6	19.3
Females .....	41.2	*	*	44.9	43.5	58.2
Persons .....	114.8	10.1	8.1	124.9	61.7	77.4
July 1987						
Males .....	73.4	7.5	9.3	80.9	81.1	18.9
Females .....	43.4	4.5	9.3	47.9	45.5	57.5
Persons .....	116.8	12.0	9.3	128.8	62.8	76.3
August 1987						
Males .....	74.5	5.6	7.0	80.1	80.6	19.2
Females .....	41.8	*	*	45.6	43.6	59.1
Persons .....	116.3	9.5	7.5	125.8	61.6	78.4
Age group						
15-24 years .....	23.3	*	*	26.6	57.3	19.8
15-19 years .....	9.0	*	*	10.7	40.7	15.6
20-24 years .....	14.2	*	*	15.9	78.9	4.3
25-44 years .....	64.0	4.6	6.8	68.7	76.6	20.9
45 years and over .....	29.0	*	*	30.5	44.8	37.6
Average for 3 months ended						
August 1986 .....	109.7	11.9	9.8	121.6	65.9	62.9
August 1987 .....	116.0	10.5	8.3	126.5	62.0	77.4



Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, June 1987 to August 1987 (continued)

Particulars	Employed	Unemployed		Total labour force		Not in labour force
		Number	Unemployment rate (a)	Number	Participation rate (b)	
	'000	'000	%	'000	%	'000
North and Western Queensland						
June 1987						
Males .....	105.7	11.1	9.5	116.8	79.3	30.5
Females .....	61.6	8.1	11.7	69.7	51.3	66.2
Persons .....	167.2	19.3	10.3	186.5	65.9	96.7
July 1987						
Males .....	109.2	9.5	8.0	118.6	77.7	34.0
Females .....	65.8	8.7	11.7	74.4	53.2	65.6
Persons .....	175.0	18.1	9.4	193.1	66.0	99.6
August 1987						
Males .....	108.6	10.0	8.5	118.7	78.1	33.2
Females .....	65.0	6.9	9.6	72.0	51.9	66.8
Persons .....	173.7	17.0	8.9	190.6	65.6	100.0
Age group						
15-24 years .....	42.4	7.1	14.4	49.5	74.7	16.8
15-19 years .....	17.9	3.7	17.1	21.5	65.4	11.4
20-24 years .....	24.5	3.5	12.4	28.0	83.9	5.4
25-44 years .....	91.0	7.4	7.5	98.4	79.4	25.6
45 years and over .....	40.2	*	*	42.7	42.5	57.7
Average for 3 months ended						
August 1986 .....	178.2	18.1	9.2	196.3	66.2	100.3
August 1987 .....	171.9	18.1	9.5	190.1	65.8	98.7
North Queensland						
June 1987						
Males .....	83.4	9.0	9.7	92.4	77.8	26.4
Females .....	49.7	7.0	12.4	56.7	50.7	55.1
Persons .....	133.1	16.0	10.7	149.1	64.7	81.5
July 1987						
Males .....	87.1	7.3	7.7	94.4	76.5	28.9
Females .....	54.7	7.6	12.1	62.3	53.8	53.4
Persons .....	141.8	14.9	9.5	156.6	65.6	82.3
August 1987						
Males .....	86.8	7.4	7.8	94.2	76.6	28.8
Females .....	53.4	5.2	8.9	58.6	50.9	56.4
Persons .....	140.2	12.6	8.2	152.8	64.2	85.2
Age group						
15-24 years .....	33.6	5.1	13.3	38.8	73.1	14.3
15-19 years .....	15.8	*	*	18.3	64.9	9.9
20-24 years .....	17.8	*	*	20.5	82.3	4.4
25-44 years .....	74.3	6.0	7.4	80.2	80.2	19.9
45 years and over .....	32.3	*	*	33.8	39.8	51.0
Average for 3 months ended						
August 1986 .....	141.8	16.8	10.6	158.5	64.9	85.7
August 1987 .....	138.4	14.5	9.5	152.8	64.8	83.0



Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, June 1987 to August 1987 (continued)

Particulars	Employed	Unemployed		Total labour force		Not in labour force
		Number	Unemployment rate (a)	Number	Participation rate (b)	
		'000	%	'000	%	
Total Queensland						
June 1987						
Males .....	676.9	68.6	9.2	745.4	75.6	240.9
Females .....	433.5	49.0	10.2	482.5	47.8	525.9
Persons .....	1,110.4	117.6	9.6	1,228.0	61.6	766.8
July 1987						
Males .....	680.8	67.5	9.0	748.3	75.7	239.9
Females .....	434.1	46.8	9.7	480.9	47.6	529.5
Persons .....	1,114.9	114.3	9.3	1,229.2	61.5	769.4
August 1987						
Males .....	676.9	66.9	9.0	743.8	75.1	246.3
Females .....	432.3	46.4	9.7	478.6	47.3	533.8
Persons .....	1,109.2	113.2	9.3	1,222.4	61.0	780.1
Age group						
15-24 years .....	257.8	51.6	16.7	309.4	70.0	132.5
15-19 years .....	108.8	28.9	21.0	137.7	59.0	95.9
20-24 years .....	149.1	22.6	13.2	171.7	82.4	36.6
25-44 years .....	578.6	46.4	7.4	625.0	77.8	177.9
45 years and over .....	272.8	15.2	5.3	288.1	38.0	469.8
Average for 3 months ended						
August 1986 .....	1,091.6	112.3	9.3	1,203.9	61.9	740.6
August 1987 .....	1,111.5	115.0	9.4	1,226.5	61.4	772.1

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.



Table 3 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Labour Force Region  
as a Proportion of Total Queensland, August 1986 and August 1987  
(per cent)

Region	Employed	Unemployed	Total labour force	Not in labour force
August 1986				
Brisbane Statistical Division	46.7	44.2	46.5	46.0
Brisbane City .....	30.3	26.5	30.0	30.5
Inner Suburbs .....	14.0	12.5	13.8	15.3
Outer Suburbs .....	16.4	14.0	16.2	15.2
Balance of B.S.D. ....	16.4	17.7	16.5	15.4
Moreton .....	14.5	17.5	14.8	17.8
Wide Bay-Burnett/Darling				
Downs .....	12.7	13.1	12.8	14.2
Fitzroy/Mackay .....	10.1	10.2	10.1	8.3
North and Western Queensland ..	16.0	15.0	15.9	13.7
North Queensland .....	12.8	13.9	12.9	11.8
<u>Total Queensland</u> .....	100.0	100.0	100.0	100.0
August 1987				
Brisbane Statistical Division	46.9	43.3	46.6	45.3
Brisbane City .....	29.4	22.7	28.8	30.5
Inner Suburbs .....	13.8	9.8	13.4	15.0
Outer Suburbs .....	15.7	12.9	15.4	15.5
Balance of B.S.D. ....	17.5	20.6	17.8	14.8
Moreton .....	14.5	17.1	14.7	17.5
Wide Bay-Burnett/Darling				
Downs .....	12.5	16.2	12.8	14.3
Fitzroy/Mackay .....	10.5	8.4	10.3	10.0
North and Western Queensland ..	15.7	15.0	15.6	12.8
North Queensland .....	12.6	11.1	12.5	10.9
<u>Total Queensland</u> .....	100.0	100.0	100.0	100.0



Table 4 - Employed Persons (a) by Industry Division and Occupation Group in Labour Force Regions, Queensland, August 1987  
('000)

Particulars	Brisbane Statistical Division										Total Qld
	Brisbane City					Moreton	Wide Bay- Burnett Darling Downs	Fitzroy Mackay	North and Western Qld		
	Inner Suburbs	Outer Suburbs	Total	Balance of B.S.D.	Total				North Qld	Total	
Industry Division											
Agriculture, forestry, fishing, hunting	*	*	*	3.4	4.9	13.0	25.9	18.9	13.9	21.6	84.3
Mining .....	*	*	*	*	3.2	*	*	7.5	3.5	8.7	20.7
Manufacturing .....	18.0	27.3	45.3	35.2	80.5	13.1	12.1	10.2	15.8	16.7	132.6
Electricity, gas, and water .....	*	*	4.0	*	5.7	*	*	*	*	3.3	14.6
Construction .....	7.8	12.8	20.7	16.6	37.3	18.3	8.0	6.0	9.4	10.9	80.5
Wholesale and retail trade .....	27.4	41.6	69.0	51.0	120.0	34.4	28.2	20.7	28.7	33.7	237.1
Transport and storage .....	8.2	11.2	19.4	10.1	29.5	8.4	10.4	11.1	11.2	13.2	72.6
Communication .....	5.3	4.5	9.8	3.6	13.4	2.9	3.0	*	*	*	23.2
Finance, property, and business services	23.0	21.3	44.3	19.5	63.8	17.8	8.6	6.6	11.0	13.1	109.9
Public administration and defence .....	10.5	8.5	18.9	9.1	28.0	7.1	7.2	3.6	7.3	9.1	55.1
Community services .....	35.1	30.6	65.7	29.5	95.3	22.2	24.2	18.4	20.0	24.7	184.7
Recreation, personal, and other services	13.4	13.0	26.4	12.3	38.7	21.5	9.1	8.4	14.7	16.3	93.9
<u>Total employed</u> .....	152.6	173.6	326.3	193.9	520.2	160.4	138.6	116.3	140.2	173.7	1,109.2
Wage and salary earners .....	130.2	151.0	281.2	165.4	446.6	118.0	99.3	89.1	111.7	137.0	890.1
Other .....	22.5	22.6	45.1	28.6	73.6	42.4	39.3	27.2	28.5	36.6	219.1
Occupation Group											
Managers and administrators .....	10.0	13.2	23.1	11.8	34.9	19.6	22.8	20.1	14.8	21.0	118.5
Professionals .....	29.4	18.9	48.4	13.9	62.3	11.7	11.6	9.2	11.5	13.9	108.6
Para-professionals .....	10.8	10.5	21.3	13.4	34.7	7.8	7.0	5.6	8.1	9.4	64.5
Tradespersons .....	21.8	24.8	46.6	36.4	83.0	28.6	18.8	16.2	23.9	29.3	175.9
Clerks .....	30.3	37.3	67.6	36.3	104.0	22.0	18.3	13.2	23.5	27.0	184.4
Salespersons and professional service workers .....	23.5	28.6	52.1	35.6	87.7	31.7	20.0	16.1	23.5	27.8	183.4
Plant and machine operators, and drivers	8.6	12.2	20.8	16.5	37.3	11.9	12.1	12.8	10.7	14.2	88.3
Labourers and related workers.....	18.3	28.0	46.3	30.1	76.4	27.1	28.0	23.1	24.3	31.1	185.7
<u>Total employed</u> .....	152.6	173.6	326.3	193.9	520.2	160.4	138.6	116.3	140.2	173.7	1,109.2

(a) Civilians aged 15 years and over.



Table 5 - Unemployed Persons by Duration of Unemployment (a) in Labour Force Regions, Queensland,  
June to August 1986 and 1987

Region	Under 13 weeks	13 weeks and over	Median duration	Median duration
	'000	'000	weeks	weeks
	June 1987		June 1986	
Brisbane Statistical Division ....	20.7	30.7	18	17
Brisbane City .....	11.4	18.1	18	18
Inner Suburbs .....	4.1	8.4	22	17
Outer Suburbs .....	7.2	9.7	17	19
Balance of B.S.D. ....	9.3	12.6	17	14
Moreton .....	5.3	13.6	23	26
Wide Bay-Burnett/Darling Downs ...	4.6	13.4	30	14
Fitzroy/Mackay .....	*	7.1	*	23
North and Western Queensland .....	6.6	12.6	21	26
North Queensland .....	5.4	10.6	21	26
<u>Total Queensland</u> .....	40.2	77.4	22	20
	July 1987		July 1986	
Brisbane Statistical Division ....	19.3	29.4	18	14
Brisbane City .....	11.0	15.2	16	14
Inner Suburbs .....	4.1	6.6	23	13
Outer Suburbs .....	6.9	8.6	14	16
Balance of B.S.D. ....	8.3	14.2	19	14
Moreton .....	7.1	12.4	23	26
Wide Bay-Burnett/Darling Downs ...	4.4	11.6	27	26
Fitzroy/Mackay .....	5.0	7.0	24	22
North and Western Queensland .....	7.3	10.9	25	13
North Queensland .....	6.1	8.8	23	15
<u>Total Queensland</u> .....	43.0	71.4	22	19
	August 1987		August 1986	
Brisbane Statistical Division ....	19.1	29.9	20	14
Brisbane City .....	9.9	15.8	19	14
Inner Suburbs .....	5.0	6.0	14	14
Outer Suburbs .....	4.9	9.8	26	15
Balance of B.S.D. ....	9.3	14.1	23	13
Moreton .....	7.2	12.2	23	26
Wide Bay-Burnett/Darling Downs ...	5.5	12.9	30	20
Fitzroy/Mackay .....	*	6.7	*	18
North and Western Queensland .....	7.5	9.4	20	21
North Queensland .....	5.6	7.0	17	18
<u>Total Queensland</u> .....	42.1	71.2	24	18

(a) See Explanatory Notes.



## Technical Notes

### Estimation Procedure

The labour force estimates are derived from the monthly population survey and are calculated in such a way as to add to the independently estimated distribution of the population aged 15 years and over by age and sex. This procedure compensates for under-enumeration in the survey and leads to more reliable estimates.

Since regular estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.

### Reliability of the Estimates

As with other labour force survey estimates, regional estimates are subject to sampling error and non-sampling error. Since regional estimates for particular labour force characteristics are components of corresponding estimates at the State level, they are subject to higher relative standard errors. As noted above, the use of regional benchmarks in the estimation of regional estimates is not possible.

For these reasons, users should note that regional estimates may be more volatile than corresponding State estimates and thus they should not be regarded as reliable indicators of short-term (monthly) movements.

The sampling error is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, the estimates and the movements derived from them are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the standard error which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included and about 19 chances in 20 that the difference will be less than two standard errors. The standard error can also be expressed as a percentage of the estimate, and this is known as the relative standard error.

Space does not allow for the separate indication of the standard errors of all estimates in this publication. Standard errors of estimates and monthly movements should be determined by using Tables A and B.

The size of the standard error increases with the level of the estimate, so that the larger the estimate the larger the standard error. However, it should be noted that the larger the sample estimate the smaller will be the standard error in percentage terms. Thus, larger sample estimates will be relatively more reliable than smaller estimates.

As the standard errors in Table A show, the smaller the estimate the higher is the relative standard error. Very small estimates are subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication, estimates below the levels shown in Table A, and percentages based on such estimates, have not been included but are indicated by \*. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable. See text below concerning the higher publication cut-off point for estimates of median duration of unemployment.

The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. Standard errors of monthly movements are given in Table B. The estimates of standard error of monthly movements apply only to estimates of movements between two consecutive months. Movements between corresponding months of consecutive quarters (quarterly movements), corresponding months of consecutive years (annual movements), and other non-consecutive months, will generally be subject to somewhat greater sampling variability than is indicated in Table B. Standard errors of quarterly movements can be obtained by multiplying the figures in Table B by 1.4. Standard errors of all annual movements can be obtained by multiplying the figures in Table A by 1.4. When using Table A or Table B to calculate standard errors of movements, refer to the larger of the two estimates from which the movement is derived.

Examples of the calculation and use of standard errors are given in the ABS publication 'The Labour Force' (Catalogue No. 6201.3).



Table A - Standard Errors of Labour Force Estimates (a)

Size of estimate	Brisbane		Brisbane City						Balance of Brisbane		Moreton		Wide Bay-Burnett/Darling Downs		Fitzroy/Mackay		North and Western Queensland		North Queensland		Queensland	
	Statistical Division		Inner Suburbs		Outer Suburbs		Total		Statistical Division													
	Standard error		Standard error		Standard error		Standard error		Standard error		Standard error		Standard error		Standard error		Standard error		Standard error		Standard error	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
2,500	*	*	580	23.03	570	22.75	610	24.58	580	23.06	620	24.67	600	24.12	*	*	*	*	*	*	*	*
3,000	690	23.16	630	21.08	620	20.82	660	22.12	630	21.18	680	22.58	660	22.08	*	*	750	25.00	760	25.41	690	23.16
4,000	800	19.91	730	18.34	720	18.11	750	18.76	730	18.36	790	19.64	770	19.21	960	23.92	870	21.75	880	22.10	800	19.91
5,000	880	17.67	820	16.47	810	16.27	830	16.52	820	16.49	880	17.64	860	17.25	1,070	21.48	970	19.53	990	19.35	880	17.67
6,000	960	16.02	910	15.09	890	14.90	890	14.90	910	15.11	970	16.16	950	15.81	1,180	19.68	1,070	17.90	1,090	18.19	960	16.02
8,000	1,090	13.68	1,050	13.15	1,040	12.99	1,010	12.66	1,050	13.17	1,130	14.09	1,100	18.78	1,370	17.15	1,250	15.60	1,270	15.85	1,090	13.68
10,000	1,210	12.09	1,180	11.83	1,170	11.68	1,120	11.17	1,180	11.84	1,270	12.67	1,240	12.38	1,540	15.43	1,400	14.03	1,430	14.26	1,200	12.09
20,000	1,630	8.14	1,710	8.53	1,690	8.42	1,520	7.61	1,710	8.54	1,830	9.14	1,790	8.93	2,230	11.13	2,020	10.12	2,050	10.28	1,650	8.14
30,000	1,930	6.42	2,120	7.07	2,090	6.97	1,830	6.09	2,120	7.07	2,270	7.56	2,220	7.39	2,760	9.21	2,510	8.37	2,550	8.51	1,930	6.42
40,000	2,160	5.40	2,470	6.18	2,440	6.10	2,090	5.21	2,470	6.19	2,650	6.62	2,590	6.47	3,220	8.06	2,930	7.33	2,980	7.45	2,160	5.40
50,000	2,360	4.72	2,790	5.57	2,750	5.50	2,310	4.62	2,790	5.58	2,990	5.97	2,920	5.84	3,630	7.27	3,310	6.61	3,350	6.72	2,350	4.72
100,000	3,070	3.07	4,060	4.06	4,010	4.01	3,200	3.20	4,060	4.06	4,350	4.35	4,250	4.25	5,290	5.29	4,810	4.81	4,900	4.89	3,050	3.07
200,000	3,930	1.96	5,940	2.97	5,870	2.93	4,450	2.22	5,950	2.97	6,890	3.44	6,730	3.37	8,380	4.19	7,620	3.81	7,160	3.58	3,950	1.96

(a) Regional estimates smaller than those shown in this table are not published.



## Technical Notes (continued)

## Reliability of the Estimates (continued)

The relative standard errors of estimates of median duration of unemployment are obtained by first finding the relative standard error of the estimate of the total number of persons contributing to the estimate (see Table A) and then multiplying the figure so obtained by 2.0. The publication cut-off point for estimates of median duration of unemployment is 10,800 persons.

The imprecision due to sampling variability, which is measured by the standard error, should

not be confused with inaccuracies that may occur because of imperfections in reporting by respondents, errors made in collection such as in the recording and coding of data, and errors made in the processing of data. Inaccuracies of this kind are referred to as the non-sampling error, and they may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers, and efficient operating procedures.

Table B - Standard Errors of Estimates of Monthly Movements

Size of larger estimate	Brisbane Statist- ical Division	Brisbane City			Balance of Bris- bane Statist- ical Division	Moreton	Wide Bay- Burnett/ Darling Downs	Fitzroy/ Mackay	North and Western Queens- land	North Queens- land	Queens- land
		Inner Sub- urbs	Outer Sub- urbs	Total							
1,500						360					
1,800			410		440	390					
2,000		480	430		460	410	470	480			
2,500	640	520	470	570	500	440	520	520	580	550	640
3,000	680	560	500	600	540	480	560	560	620	600	680
4,000	760	630	560	670	610	540	620	630	690	670	760
5,000	820	690	620	720	660	590	680	690	760	730	820
6,000	880	740	660	770	710	630	730	740	820	780	880
8,000	970	830	740	850	800	710	820	830	910	880	970
10,000	1,050	900	810	920	870	770	900	910	1,000	960	1,050
20,000	1,350	1,190	1,070	1,180	1,150	1,020	1,180	1,190	1,320	1,260	1,350
30,000	1,580	1,400	1,260	1,350	1,350	1,190	1,390	1,400	1,540	1,490	1,580
40,000	1,750	1,570	1,400	1,500	1,520	1,340	1,560	1,570	1,730	1,670	1,750
50,000	1,900	1,710	1,540	1,620	1,660	1,460	1,700	1,720	1,890	1,820	1,900
100,000	2,450	2,250	2,020	2,070	2,180	1,930	2,240	2,260	2,490	2,400	2,450
200,000	3,150	2,960	2,660	2,630	2,870	..	..	..	..	..	3,150











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